

CLAIM AMENDMENTS

1-2. (cancelled)

3. (new) An arrangement for fixing a guide blade segment that forms part of a transition channel between the housing and the bearing pedestal of a turbine housing of a high-pressure turbine and a low-pressure turbine with aircraft gas turbines having different diameters, the transition channel transitioning from a smaller diameter of the high-pressure turbine to a larger diameter of the lower pressure turbine, wherein the guide blade segment comprises an outer platform and an inner platform tensioning the guide blades, wherein the outer and inner platforms, for axial positioning and sealing of the guide blade segment, comprise bars, wherein each of the bars enables a straight surface contact with bearing surfaces of the bearing pedestal and the turbine housing, wherein the guide blade segment, by way of an upstream groove-hook-type connection assigned to the outer platform, is held radially on the turbine housing and secured against rotation by way of a pin that engages in the hook-groove-type connection, and wherein grooves of the groove-hook-type connection are assigned to the bearing surfaces of the turbine housing and hooks of the groove-hook-type connection are assigned to the outer platform of the guide blade segment.

4. (new) The arrangement according to claim 3, wherein the bearing surfaces of the turbine housing to which the grooves of the hook-groove-type connection are assigned also form bearing surfaces for an upstream channel segment of the transition channel, which is locked in its installed position by the guide blade segment.

5. (new) A process of fixing a guide blade segment that forms part of a transition channel between the housing and the bearing pedestal of a turbine housing of a high-pressure and a low-pressure turbine with aircraft gas turbines having different diameters, the transition channel transitioning from a smaller diameter of the high-pressure turbine to a larger diameter of the lower pressure

turbine, the guide blade segment comprising an outer platform and an inner platform tensioning the guide blades, the platforms, for axial positioning and sealing of the guide blade segment, comprising bars, each of the bars enabling a straight surface contact with bearing surfaces of the bearing pedestal and the turbine housing, the guide blade segment, by way of an upstream groove-hook-type connection assigned to the outer platform, being held radially on the turbine housing, the grooves of the groove-hook-type connection being assigned to the bearing surfaces of the turbine housing and hooks of the groove-hook-type connection being assigned to the outer platform of the guide blade segment, comprising securing the guide blade segment against rotation by way of a pin that engages in the hooking-groove-type connection.

6. (new) The process pursuant to claim 5, wherein the bearing surfaces of the turbine housing to which the grooves of the hook-groove-type connection are assigned also form bearing surfaces for an upstream channel segment of the transition channel, which is locked in its installed position by the guide blade segment.